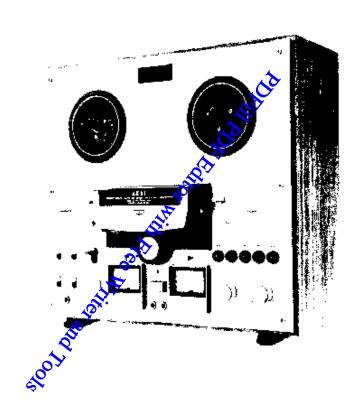
**ૄ** ⊏>



## STEREO TAPE DECK MODEL GX-265D

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### SECTION 1

### SERVICE MANUAL

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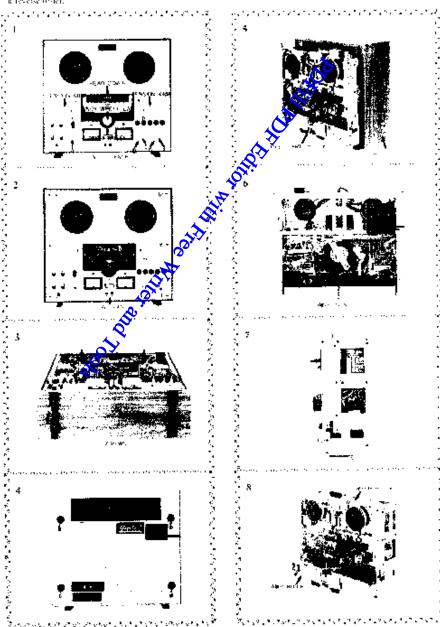
### I. SPECIFICATIONS

	A SAME OF THE PROPERTY OF THE
$\chi_{\mathcal{R}}$ (sectors), now, after a figure indicates the total	
TRACK SYSTEM	4 (rick 2 (hanse) states/monacral system
LAPI SPLEID	3-1/2 and 4-8/4-apt to 7%
	•7-1-2 (p. c19 cm/ws + +0.0°)
	7 la 9 la pro (9.5 cm/secul = 1.07)
work and the HTR	Test High (MMS) WRMS of 7-472 ign
	Less than 1009ks WRMS at 3-3/4 igs
•	11 2 ve figure to 13' RMS at 7' 1 (2 pts 45 \$117 RMS)
	*Lores (Specification of Section 2) 3-3/4 light all WCCROS
SOTAL ASSESSED FURTER	"Bess Phas 10.1", as / 1/2 tax IF WED/RET
	PE and There is 1800 at 304/4 april 18 WID/RAD 1
URLOW LINEY RESPONSE	20 to 21 floot (by - 3 d Ket 7-1/2 m)
	10 m 29 (80) Bla + 3 d <b>i</b> a ( ± 3/ <b>3</b> ±6 °
	NE SILL ARATEM (150-7 tape)
	• № нь 22 дон ны + 1-4В <sub>м</sub> - 122 фх
	* Stree Thatte Mr Jight at 17/4 ips
HARMONE DISTORTION	Turn Stary II t
	*kessahan 3.415 app 12 ips
DOTAL BURNIONS OF SORTKIN	Photo than 2 119 19 19 19 19 19 19 19 19 19 19 19 19
	*Bester than 2008
SIUNAL TO NOSE RASIO	*Better than # 48
TOTAL MONAL DO MOST RATIO	THE LICE WAS A SECOND OF THE PROPERTY OF THE P
ext (PPL 7	1180 20,775 Com - 1,0 date dlam - 1,5 day, FWDFR4-VS
	DIN DIN W.
P	MINISTER SUSAND MILITA
	Africas Park na a 700 Ha "II" VO preses urdes tost tape.
	A Volume of marallity in the control of the control
INPUT	MHC Colone than 0 24 mV/5 k ohus
	[ [N] More than 70 m/V/1503 mbm
	More than 3 mV
	Ar not be supper (Recording Volume) a market unch
PROMETER COPLAYBACK LLV61	*6-175 V (40 s) (Figs. + 1, 5 s) that
10	FWD/REV description: -1.5 dB
CRESS FALK	Bertler Blain 40 d'Mi, striver
N. C.	Sperger than 55 said, monantal
TRASE RATIO	Seller dam (1) 43)
BIAN PREQUENCY	\$413 BAGE (50)
BIAS LEAK	Heliter filling - Nu dis
	Botween 1/639 playback channels: within 3 dB
BRITISHEQUENCY DESCRIPTION	Bekanen RhV playback charmels within 4 dh
	Herween Philip and RIV: within 3.5 dB
<b>3</b> ,	At play back of an 8,000 ft. 3.74 in specimented text tape at 3,472 apo
	90 man steren newything at 7-1) 2 dps. name a 1,26-30 ft tape
RECORDING UMI	got man steach recognition are 1-1/2 april 1916. I 1960 to 1960 to 1960
1-1-WD AND RWU TIBLE	Approximately 12(1 qu ad 51) Ha, using a 1,810041 tape
"WOLLINE" WAIN	ROTOR 2 speed AC was a constant outer total about
	Type: SCM2-24KJ 4 pmb
	Resolutions 615 span at 7 1/2 ips/19 cm/sec)
	\$07.5 mm or 3-3/4 ips 49.5 stt/4944
KFF 1	RODGE   bear n puls early current invites fixed another
	Тура. 2430-618
	1
	pageologicans : 930 rppm pt 514 Mz

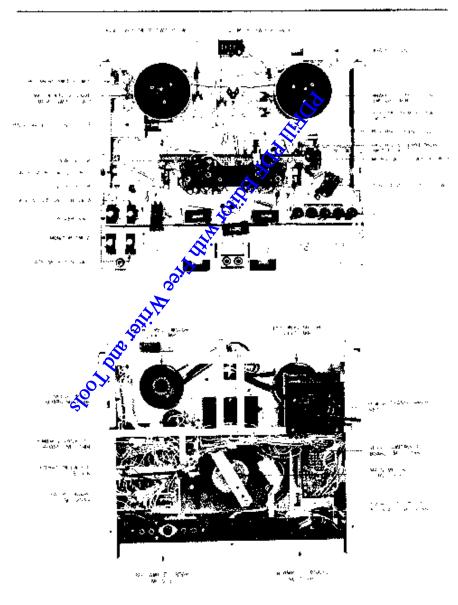
HEAD	RECORPANC/EICANE	Type: RI46				
	COMMINATED A SILVED	Gap RECHEAD Ansaums				
		ERASE HEAD, Gairer				
		despertance RECHIEAD; to				
		1	130 obm 472 at 100 kB7			
		III MANSHINET RECHINAD.				
		我們看到EMEAD ; Listahm				
	PLAYBACE READ	Type P4-202	<b> </b>			
		Gapt 4.7 (0.5 mirrors	No.			
		Jerpedance: I_AIAI_/Mill aT 1				
		Jiji Nepigance: 268 ohm 🦯	<b>*</b>			
HAVERSING TIME.		5 to 6 sec. at 7-1/2 ips implying				
TRANSISTAN		78A964QJ(R))	25C(2114D(H)) 7			
		SECHANICALLY CO.	1483 SAT (Tall 4(D2)			
		28(1945)(P)(H294K)(	) KIPS			
· ·	<del></del>	2SC94SLEDSH1 . SQT				
otrofia"		JN 944 . 2	15M73VF 6			
		1Mand 1 1 3	10024			
		1M60905	[[#54 1			
		1515# . F	RBSA(M) I			
		192477 1				
CHARLED DARKERS	(NIE AND	1000 6 1411V 40 40/40/40 Hz. 9				
CONSUMPTION		William St. Ha. 90W (BS) M				
	<u> </u>	○2001 AC 50 Hz, 92010 EE 5 12001 AC 50 Hz, 97010 C55 5				
	<b>√</b> ?	1000 M 1000 Hz, 69/65W				
	_ <del>_</del>	54964-76-40-4441-20-49) mas				
SHONSKLIME	Q <sup>2</sup>	49.7 3"x15.9"xH,2"1				
		Destrousions spolude all protts	dine parts			
		1 16 6 kg (36 5 lbs)	-m- g:://			
BEIGHT	$\sim \sim \sim$	T 200 at 18 6 at 2 10 co				

### II. DISMANTLING OF UNIT

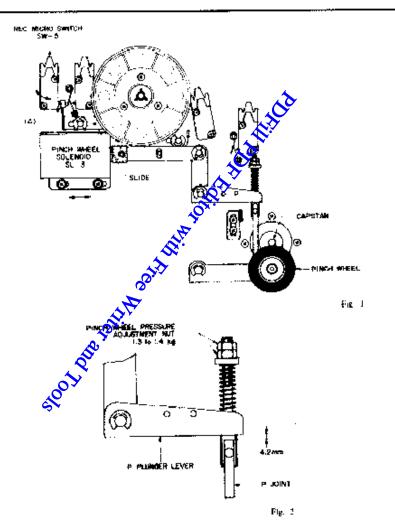
to the of transfer are recessively consensately please disassemble in the order shows at photographs. Reassemble a reverse order.

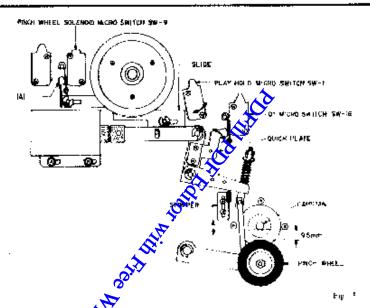


### III. ARRANGMENT OF PRINCIPAL PARTS



### IV. MECHANISM ADJUSTMENT





# I, POSITION ADJUSTMENT OF PINCH WHEEL SOLENOIN \$1.-3 (Refer to Fig. 1)

- 2) Remove head block 2
  2) Insert 1 4.7 mile stoge 14 () type wisher etc.t between the P Phosper Level and P I limit (Refer to to to 1).
- to Fig. 1).
  3) Set the come to playback mode and to Fronti-Wheel Schools at position at which the parch wheel begins to restain

#### 2 PINCH WHEEL POSITION ADJUSTMENT AT STOP MODE (Refer to Fig. 3)

- 1) Remote head block.
- 2) Adjust Stopper we that the clearance between Pinch Wheel and Capson Shaft is 9.5 mo:

#### A PINCH WHEEL PRESSURE ADJUSTMENT (Refer to Fig. 2)

Adjust Pitch Wheel Pressure Adjustment Not 80 (5.0) pinch wheel pressure is 1.3 to 1.4 kg.

#### 4. POSITION ADJUSTMENT OF PLAY HOLD MICROSWITCH SW-11 (Refer to Fig. 3)

Alljust Play Hold Microswitch position so that at stop mode, the Play Hold Microsworch operates properly and the Slide does not contact the budy of the incommutation

### 5. SLIDE ADJUSTMENT (Refer to Fig. 3)

Adjust part (A) of the Slide so that all slop mode, the Prests Whee! Salemaid Manager (chaperates manerly) and part (A) does not strongly hit seniors the body of the incresswitch.

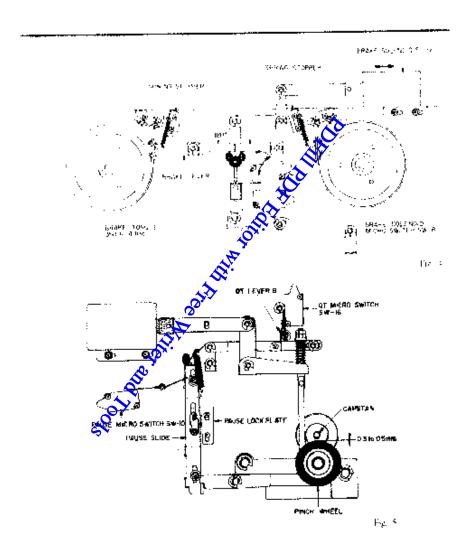
#### 6. POSITION ADJUSTMENT OF QUICK PLATE (Refe to Fig. 3)

Adjust Quick Plate possision so that at stop mode, the Quick Tonsion Microswitch operates proporty. and the Quick Plate does not spengly hit against the body of the processertels.

### 7. POSITION ADJUSTMENT OF RECORDING MICROSWITEH SW-5 (Roler to Fig. 1)

Adjust part (A) of the Strife to that at payback mode. the Recording Microscottal operates properly, and part (A) does not contact the body of the movoswetch.

**(→ 1)** 



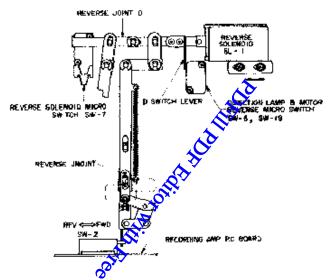


Fig 6

8. POSITION ADJUSTMENT GEORAKE.
SOLENOID SET PREfer to Fig. 4)
Set the deck to playback mode, and his Brake Solemuld at payation at which the left and right brake
levers display 180° angle Plationty.

### DUSTMENT OF BRAKE SLENOID MICROSWITCH SW-8 9, POSITION (Refer to Fig. 4)

Set the deck to playback mode, and adjust limite Solenced Microswitch position so that the microswitch operates properly.

#### IO. BRAKE TENSION ADJUSTMENT (Refer to Fig. 4)

Adjust Spring Support position so that the brake tenaton is 350 to 400g

### 11. PAUSE ADJUSTMENT (Refer to Fig. 5)

- ty At playback mode, lock Pause Lever.
- 2) Adjust Passe Lack Plate position to obtain a 0.3 to 0.5 mm clearance between Buch Wheel aild **Гарман.**
- 3) When making this adjustment, he corested that the elearance between Priich Wheel and Capstan does not exceed 0.5 min.
- 4) Confirm that the Quick Tension Microsoutish is pushed when the Pause Lever is depressed and if not, adjust with QT Level it.

### 12. POSITION ADJUSTMENT OF REVERSE SOLENOID SL-1 (Refer to Fig. 6)

- () See the desk to reverse made, and adjust Reverse Solonoid position in that Reverse Joint D activates the Reverse Solenow Microswitch.
- 2) Ar this time, he careful that Reverse Inint D does. not enotice the body of the memowitch.

#### 13. D SWITCH LEVER ADJUSTMENT (Refer in Fig. 6)

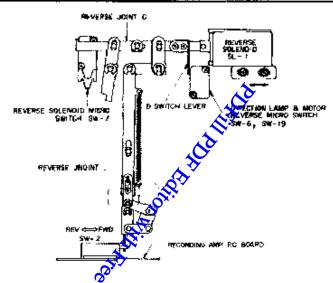
Set the deck to reverse morte, and adjust D Switch Levet so that the lever activotes the Direction Indivator Lamp and Reel Motor Touple Conversion Microsyntches.

### 14. INSTALLATION POSITION ADJUST-MENT OF REVERSE JOINT

(Refer to Fig. 6)

Adjust Reverse John installation grouping so that when the deck is set to reverse mode, FWD --- REV Shide Switch of Recording Amp P.C Board (NI). 5037) is completely depressed





Fee. N

# 8. POSITION ADJUSTMENȚ RAKE

SOLENOID STATEMENT OF THE SOLENOID STATEMENT OF THE SOLENOID STATEMENT OF THE SOLENOID OF THE

## 9 POSITION ADJUSTMENT OF BRAKE SPLENOID MICROSWITCH SW-8 (Refer to Fig. 4)

Ser the deck to phyback mode, and adjust Broke Solement Microswitch position so that the microswitch operates properly.

#### 10. BRAKE TENSION ADJUSTMENT (Refer to Fig. 4)

Adjust Spring Support position so that the brake rension is 350 to 400g.

### 11. PAUSE ADJUSTMENT (Refer to Fig. 5)

- I) An playhack mode, fock Pause Lever.
- 2) Adjust Pause Luck Piate position to obtain a 0.3 to 0.5 mm clearance between Back Wheel and Capitan
- 3) When making this adjustment, he cateful that the elearning helwern Pinch Wheel and Capstan does not exceed 0.5 mm.
- 4) Confirm that the Quick Tension Macroswitch is pushed when the Pause Level is depressed and if nor, adjud with QT Level B.

#### 12. POSITION ADJUSTMENT OF REVERSE SOLENOID SL-1 (Refer to Fig. 6)

- 1) See the deak to reverse mode, and adjust Revette Solenoid position in that Reverse Joint D activates the Reverse Solenoid Microswitch.
- 2) At this rippe, he cateful that Reverse Joint Didoes not contact the body of the microswitch

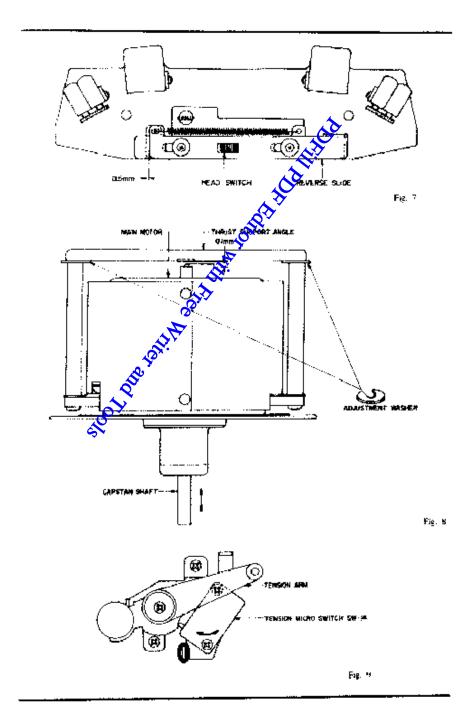
#### 13. D SWITCH LEVER ADJUSTMENT (Refer to Fig. 6)

Set the deck to reverse mode, and adjust D Switch Later to that the lever actiones the Direction Indicator Lamp and Real Motor Lorque Conversion Microswitches.

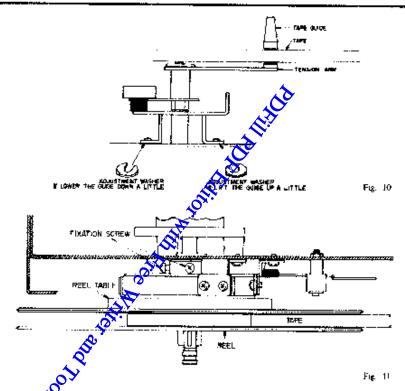
### 14, INSTALLATION POSITION ADJUST-MENT OF REVERSE JOINT

(Refer to l'ig. 6)

Adjust Reverse Josial installation position so that when the deck is set to reverse made PWD \*\*REX Slide Switch of Recording Amp P.C Board (NI. 50371 is completely depressed.







### 15. INSTALEATION POSITION ADJUST-MENT OF HEAD SWITCH SW.3 (Refer to Figs. 7 and 32)

Adjust Head Swhich installation position so that when the deck is set to reverse mode, the head switch which is important on the head block switches to the reverse aide and that the reverse slide tempe at about 0.5 mm.

### 16. CAPSTAN SHAFT LOOSE PLAY ADJUST-MENT (Refer to Fig. 8)

Adjust to obtain a clearance of about 0.1 him betweet the capstan shaft and thrust support angle.

#### 17. OPERATING POSITION ADJUSTMENT OF TENSION MICROSWITCH SW-(4 (Refer to Fig. 9)

Adjust Tension Mesoswitch position so that when the Tension Arm drugs, the microswitch operates perfectly to effect stop mode.

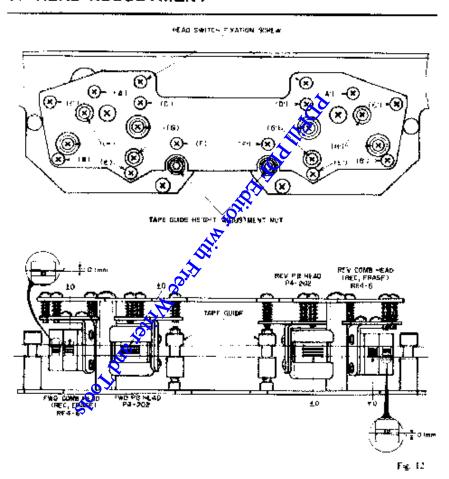
## 18. TAPE GUIDE HEIGHT ADJUSTMENT (Refer to Fig. 10)

- Adjust Tape Guide height so that the tape times not curl between tape guides on Head Base.
- 2) In case the tape guide is low, adjust by inserting a U Type Washer on the right side in Fig. 10, and in case it it high, adjust by inserting a wather on the left side.

### 19. REEL TABLE HEIGHT ADJUSTMENT (Refer to Fig. 11)

- Louid a tage and set the deck to F FWD and RLV modes. Adjust Real Table height so that the cape within the center of the rees at hort, control.
- Tape should would on center of seel regardless of type of reel used.

### V. HEAD ADJUSTMENT



51 <b>3</b> p	Афантен Вем	Pest Pape Supply Signal	¥radic .	Adjasment Pagi	Homes ha
ι .	Type Guide Height Adjustinent	Opti⊬ aal	1.4.19	Page Gride Height Adjustment Nut	11 Adjust on that type howels smoothly and does not costs! () Do not thread type over femoult df#!
,	1 Will Committee	Оэнны	FWD	1411811	Upper vilies of channel I head core and hape are the same height
3	PWD Playhack Heinl Height Adjustment	Optional	1 14)	ומאואטו	Emper edges of obsented hitself some and type and the value herald
4	I-W/S Playlant Heipl Azimuth Albemani Adjustment	8,000 Mz 3-3/4 Ips:Test 5-pe	PWD	(P)	Maximent output, both channels
5	i Wils PlaySuck Head Gigh Alapansean Adjustment	H, H600 Hz. 3-4; 4 ips Tard Tape	9.40 P	(G)	Adjust bend gap suctace to that there is no change as no change as coupon key?  When required is applied to the supply tool after
	PWD Comb Head Assembly Algerment Adjustment	Sceth #211 Tage 1500mHz - Politica	RIC	• <b>c</b> )	Muximum callpur, byth channels
,	FWR Could Head  Usp Algement Adjustment	Scoth 1 Tape, 15,000 Hg -20 dHm	RMC .	41(1:	<ul> <li>All; we have gap surface so that there is no change in sulfind bere, when towers to applied to the supply rect with.</li> </ul>

Chan I

- NOTES: 1) As perfect here adjustments are vital to long deck performance, he sure that these adjustments are earlied out-dispertly.

  7) Be careful not to use a magnetized driver or other magnetized book in the vicenity of the heads.

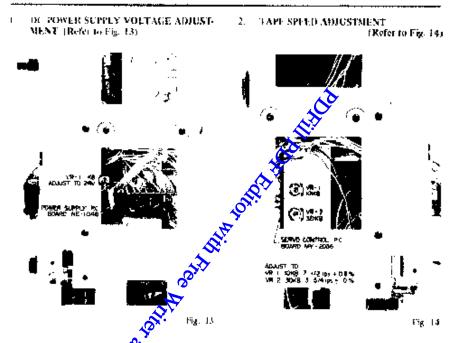
  3) Use only less tope as level variation is likely to occur when using old tape.

  (1) Decreaselize heads with head demagnetizer before and after light indjustment.

  5) Salarie speed to 7-1/2 pie except in steps 6 and 7.

  Note the same outlined in Chart 1 are only for FWD sale heads. However, odjustments for RICV side heads are exactly the same.

### VI. AMPLIFIER SYSTEM ADJUSTMENT



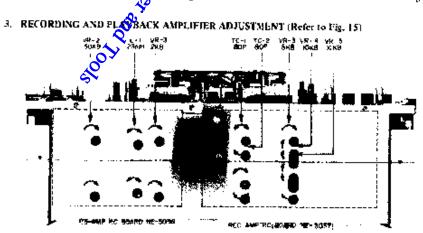


Fig. 15

Sich	Adjustment from	Fest Eagle Supply Neissel	Mede	Adjiessaiem Projec	Hosuli	Хенала с
1	Playback Level Adjustment	709007 7 172 cm 0 3/31 7 est kape	1-900	VR-2 50 kB	0:10:40 (0:15:40)	Westing to 4.5 pp a Reserve medic
2	VB Motor Someonally Adjustment	700 Hz = 472 ipc 6 VO Tool Lips	1 1 1 1	VR-3 Jah	0.80	, <u> </u>
ŗ	Stanova Covet Adjustatent	1.所使1 H.z -20+ 3服m	stor	VR-4	0.48m (0.48m	tosy RPI Volusta http://www.menjiter Saurchinstuttischen
4	4 W & Recording 4 erel Adjaviment	Scotch #201 Tape 1, 100 Hz tr WG treerding	1940 8M	Øk.< 20 kb	0-15 <b>88</b> 0-2749	Manufer Swips 6 PAPE**
5	RLV Recording Level Adjustment	Scotch #211 Tape 1,000 test to VC recording		VR-4 50 kH	9/1 5 <b>4B</b> 60 575V 6	Motestor Switch "TaPI ".
<u>م</u>	FWB Programmy Response Adjustment	Section #211 hape 1,805 the lagranger at -20 VE secondaria	PWD- RFC	FC-2 80P	Ligaro Hz. Hopostraty Flat	Liqui Speed 13/440 : Reviews Korarding & cvol.
7	RIV Programmy Resource Adjustment	Society #217 Pape 1,090 Hz 100500 Hz Ze V is providing	REV REI	la r Hop	1.4801 Mv. 10.000 Mv 635	Lept Speed 5-374 ps. Rechter Recording Level
4	fligs 1 ruk Adfortment		REF	11 20 mm	Lewitian -10:58	· · · · · · · · · · · · · · · · · · ·

Chart 2

- NOTES: 1) Set tope species of 7 f/2 fps except in Steps 6 and 7.

  2) Tape Setactor at "FOW NOTES"

  3) Monttor Settch at "TAPE" except in Step 3.

  4) Output Vehicus at maximum

  5) No rest tape should be used.

  6) Adjustment of step 8 made from the face side of Playback Amp P.C Board.

  7) The factch b following an adjustment year number andwates "Right Channel".

# **♦ 1 1 1**

### VII. DC RESISTANCE OF VARIOUS COILS

Part	Designation	Of Resistance
Main Minter	SCM2/24K1	Between DI G-RITO - 100 alam Between YEW-GRN - 750 alam Preksop Cult. 035 cam
Red Motor	21X65MR	Between YLW-GRN   London la
Pinch Wheel Solenood	1660 PT#13	200 olen
Brake Selenoid	1240 PH/f	540 olun
Reverse Solennid	1240 PHT-1	370 ohm ±10%
Reverse Retas	MY4-0-1 STAND ROMY	. 650 olum
Headphore Output Transformer	535S	Primary 565 olan ±15% Secondary : 0.95 olan ±15%
Oscillator Coll	OT 284	Between 1.3: 413 ahm Between 4.6: 0.7 ahm Between 7.9: 8.7 ahm
Playback Head	P4-202	] ; 208 ohiii
Recording/Erase Combination Res	Hr4.6	Recording: 5.5 ohm
		Cha

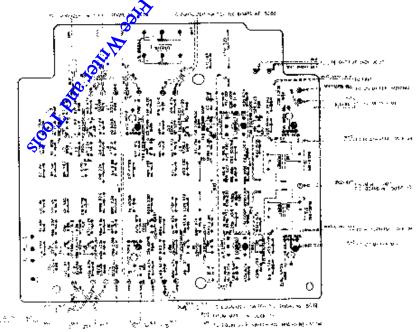
## VIII. CLASSIFICATION OF VARIOUS P.C BOARDS

### 1 RELATION OF P.C ROARD THEE AND NUMBER

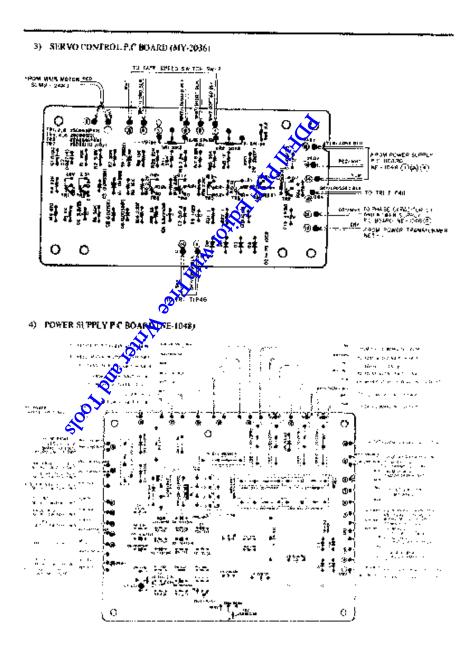
P.C. Hourst Talle	PC Buard Number
Resistor P.C Bord	NE-1045
Proceeding Hiddenton Large P.C. Broard	NE-1047
Power Supply PA Board	NE-1044
SA P.U Hoard	N[:2034
Ptayligek Amp P.C Board	NF-5036
Recepting Acup P C Board	NE-5037
Repeated Switch P.C. Board	NE-50/8
Serva Control P.C. linaed	MY-203 <del>6</del>
Transistor P.C Board	MY-2054
	Chart

## 2. COMPOSITION OF VARIOUS P.C. MOARDS

### 14 P.B. AMP P.C BOARD (No.5036)



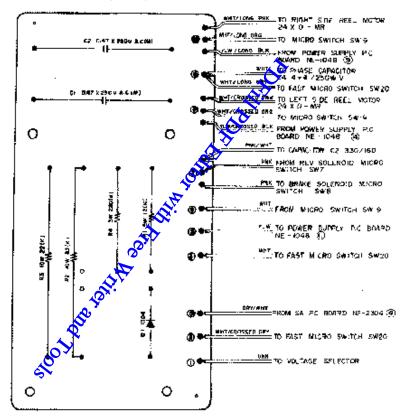
2) RECIAMP P.C BOARD [NE/5037). 120 124 124 124 124 124 **またらなるないまです。** The sp. Aller nte has ber THE PER CENT



FOUND AT INCR SWATCH PUBLISHED NI. SOLAR STATE OF STATE O



#### 6) RESISTOR P.C BOARD (NE-1046)



### 7) TRANSISTOR P.C BOARD (MY-2054)

